
From: Art Blauvelt <blauvelt@izglaw.com>
Sent: Tuesday, November 8, 2016 1:38 PM
To: Dugan, Brett; McClintock, Katie; Danica Glaser; Schanilec, Kevin; eescasemanagement.enrd@usdoj.gov
Cc: Albert Carter; Mark Rydman; Benjamin Bale
Subject: RE: Update on status of Ocean Cold, Consent Decree 3:16-cv-5179 [WARNING: DKIM validation failed]
Attachments: APEX daily reports and Refrig Certificate.pdf

Brett:

I am sorry I missed the APEX daily reports, they are attached.

I will respond to the balance of your email shortly.

Art Blauvelt

From: Dugan, Brett [mailto:Dugan.Brett@epa.gov]
Sent: Tuesday, November 08, 2016 8:32 AM
To: Art Blauvelt; McClintock, Katie; Danica Glaser; Schanilec, Kevin; eescasemanagement.enrd@usdoj.gov
Cc: Albert Carter; Mark Rydman; Benjamin Bale
Subject: RE: Update on status of Ocean Cold, Consent Decree 3:16-cv-5179

Mr. Blauvelt,

Thank you for sending Mr. Carter's November 7, 2016 report. In response to your inquiry below, it is not necessary to send all the attachments to Kevin Schanilec nor eescasemanagement.enrd@usdoj.gov. Moreover, Mr. Carter's incorporation by reference of prior submittals in the report is acceptable. We will await a supplement to this report once Ocean Cold is in receipt of the Purity Certificate from Delarvas and the laboratory reports on the contents of the refrigerant bottles used to move the Ocean Gold R-22 to Ocean Cold.

The November 7, 2016, report, along with your incorporated emails of November 1 and 3, 2016, appear to satisfy the requirements of Mr. Kowalski's October 19, 2016, letter. However, we are not in receipt of APEX's daily field reports from September 2, 2016 through September 23, 2016. I believe you intended to attach these to your November 1, 2016 email, but we are only in receipt of Ocean Cold's maintenance logs. Could you please resend these field reports at your earliest convenience?

We have two additional inquiries:

1. Is Ocean Cold aware of the current TAN in the system? We understand that Ocean Cold replaced the acid filters and added 40 additional acid filters. Did the addition of these filters reduce the TAN to acceptable levels?
2. Mr. Carter's narrative dated October 7, 2016, that you provided in your November 1, 2016, email mentions having Lonnie Humbryd, APEX, and PermaCold calculate the amount of refrigerant in the system. As Mr. Carter states, PermaCold should perform the calculation and use the same formula that they used when Ocean Cold started. However, if Lonnie Humbryd or APEX performed a calculation, please send those as well.

Thank you for your attention to this important matter.

Sincerely,

Brett

Brett S. Dugan
Assistant Regional Counsel
United States Environmental Protection Agency, Region 10
1200 Sixth Ave., Suite 900, M/S ORC-113
Seattle, WA 98101
P: (206) 553-8562
F: (206) 553-1762
Dugan.Brett@epa.gov

From: Art Blauvelt [<mailto:blauvelt@izglaw.com>]
Sent: Monday, November 07, 2016 4:38 PM
To: McClintock, Katie <McClintock.Katie@epa.gov>; Danica Glaser <Danica.Glaser@usdoj.gov>; Dugan, Brett <Dugan.Brett@epa.gov>; Schanilec, Kevin <Schanilec.Kevin@epa.gov>; eescasemanagement.enrd@usdoj.gov
Cc: Albert Carter <acarter@oceancos.com>; Mark Rydman <mrydman@ocean.onmicrosoft.com>; Benjamin Bale <bbale@oceancos.com>
Subject: FW: Update on status of Ocean Cold, Consent Decree 3:16-cv-5179
Importance: High

Katie McClintock, Danica Glaser, Brett Dugan, Kevin Schanilec and eescasemanegment.enrd@usdoj.gov:

Attached please find the letter/report that I promised from Al Carter, I have included all of the previous emails in this email so that Kevin Schanilec and the casemanagement personnel will understand the context.

In my email of November 3, 2016 I said that I would send all the attachments to Kevin Schanilec and to eescasemanegment.enrd@usdoj.gov. If that is not necessary please let me know. I will not be able to send them out until tomorrow afternoon.

Art Blauvelt

From: Art Blauvelt
Sent: Thursday, November 03, 2016 1:50 PM
To: Dugan, Brett; 'Mcclintock.katie@epa.gov'; 'Glaser, Danica (ENRD)'
Cc: 'Albert Carter'; Mark Rydman; 'Benjamin Bale'
Subject: FW: Update on status of Ocean Cold, Consent Decree 3:16-cv-5179
Importance: High

Brett Dugan, Katie McClintock and Danica Glaser:

This email will supplement the information that was sent to you on Tuesday, November 1, 2016.

Director Kowalski's letter of October 19, 2016 asked for copies of the following information, that information is attached to this email in the form of an Excel spread sheet (Freon Forms) with all forms included:

- Copies of Form I generated for the past 6 months;
- Copies of Form F generated for the past 6 months;

- Copies of Daily Refrigeration Maintenance Log entries and Form N Logs generated for the past 3 months (the attached Freon Forms has six months);
- Copies of all Leak Check Log entries generated in the past 6 months.

In addition, I have attached the handwritten Ocean Cold Preventative Maintenance Log from May 1, 2016 to October 31, 2016. Those are in two separate attachments totaling 9 MB. If there is an issue with sending those large files via the internet I will send them separately in follow up emails.

Section 32 Report:

I will be preparing a Section 32 report for Al Carter's signature in compliance with Mr. Kowalski's letter and consistent with Section 32 of the Consent Decree. I hope to have that sent by Monday. My intention is to have Mr. Carter incorporate by reference the previous emails I have sent in, together with the attachments I have sent previously. I did not intend to attach all of the documents that have been sent to you previously. **Please let me know if this is not acceptable.** Mr. Carter's report will contain the verifying language of Section 35.

I believe that I have now sent information and documents that satisfy, up to this date, the following items listed in Mr. Kowalski's letter:

1. Description of which components are currently operating-
 - a. Described in below email of November 1, 2016 and the attached Excel spreadsheet;
2. Description of investigatory work, corrective action and documents on cause of the problem –
 - a. Described in below email and the documents (Al Carter's narrative, APEX daily reports, etc.) provided with below email and this email.
 - b. The information will be supplemented when we received the lab tests on (b) (4) cleaned Freon and the Purity Certificate from Delarvas.
 - c. I would add that my client advised me after I sent the below email that 40 additional acid filters had been added to the Ocean Cold system;
3. A detailed time line of events-
 - a. Al Carter's narrative is current to October 10, 2016, I will sending a supplement that covers the time from October 10 to date.
 - b. In addition, the attached Freon forms also provide a time line of events.
4. A schedule for completing all currently planned repairs and other servicing-
 - a. There are no further repairs required and the servicing consists of continued maintenance.
 - b. In early March 2017 Ocean Cold intends to convert to R507.
5. The date Ocean Cold anticipates returning the refrigeration system to full capacity-
 - a. As stated in the November 1 email below, the system is running as much as it is needed to finish out the seafood harvesting season.
 - b. In early March 2017 Ocean Cold intends to convert to R507.
6. Form I – included in attached Freon Forms;
7. Form F - included in attached Freon Forms;
8. Daily Maintenance Logs and Form N -
 - a. Form N included in attached Freon Forms.
 - b. Daily Maintenance Logs attached to this email.
9. Leak Check Log - included in attached Freon Forms.

With the understanding that I will supplement as detailed above and with the understanding that I will be providing the Section 32 Report verified by Al Carter, I believe that Ocean Cold has provided all of the information requested in Mr. Kowalski's letter of October 19, 2016.

I have not sent copies of my emails or documents to Ken Schanilec or to eescasemanegment.enrd@usdoj.gov because Mr. Kolwalski's letter gave instructions different from Section 83 of the Consent Decree. However, I do plan to send the Section 32 Report to both of those places.

Again, I may have to send the maintenance logs separately.

Please confirm your receipt of this email.

Art Blauvelt

From: Art Blauvelt
Sent: Tuesday, November 01, 2016 11:22 AM
To: Dugan, Brett; 'Mcclintock.katie@epa.gov'; 'Glaser, Danica (ENRD)'
Cc: Albert Carter; Mark Rydman; 'Benjamin Bale'
Subject: Update on status of Ocean Cold, Consent Decree 3:16-cv-5179
Importance: High

Brett Dugan, Katie McClintock and Danica Glaser:

In response to the letter sent by Director Kowalski and under the terms of the Consent Decree I am providing you with an update on the situation at Ocean Cold. I have been advised by my client that the situation at Ocean Cold has stabilized, the exact extent of R22 loss is not certain at this time and although there is a very strong suspicion as to the cause of the incident, Ocean Cold has not received laboratory confirmation of its suspicion.

Previous Updates to EPA:

I have previously provided updates on the status of Ocean Cold by emails to Danica Glaser and others:

- On September 9, 2016 I notified the EPA of an event at Ocean Cold involving a loss of R22 and indicated that Ocean Cold had technicians from the company that built Ocean Cold on site trying to resolve the problem and determine the cause.
- On September 30, 2016 I notified the EPA that the situation appeared to have been caused by acid in the refrigeration system and that Ocean Cold was replacing seals and gaskets that had deteriorated, presumably from the acid. I advised the extent of leakage was not known at that time. I also attached an email from Al Carter to me dated September 30, 2016 that provided additional information.
- On October 7, 2016 I notified the EPA that Ocean Cold has not been able to establish exactly what happened and the extent of leakage of Freon. I attached laboratory reports that indicated that the Freon in Ocean Cold had become contaminated with acid and that the acid had damaged seals and gaskets. I advised that the Ocean Cold system was running properly. I advised that Ocean Cold was seeking a narrative explanation from its contractor APEX.

Background:

(b) (4)
(b) (4)

- (b) (4)
On July 5, 2016 I sent the details of this recovery and conversion to Danica with copies of the documents from (b) (4) detailing that company's actions. Those reports included:

- o Letter from (b) (4) dated June 24, 2016 that included the description of their actions as (b) (4) .”
- o The Service Order dated June 14, 2016 said that (b) (4) “(b) (4) ”.
- o All of the recovered and cleaned R22 had been put into the Ocean Cold system in late May 2016.
- o The Ocean Gold Freon was put in Ocean Cold to increase efficiency to take care of the large volume of fish product that was flowing into the freezing plant.

- 7,000 pounds of Freon was purchased from Delarvas USA, LLC of Longwood, Florida and on August 22, 2016 and 6,992 pounds was put into the Ocean Cold system on August 30, 2016 (see attached invoice from Delarvas).

My client advises me that Ocean Cold began to experience issues with clogging ice filters, excess air pressure in air condenser air purge lines, high cold discharge pressures and then leaks and issues with gaskets and seals began to appear shortly after August 30. Ocean Cold called on its contractor, APEX, to come look at the plant to see what was going on. APEX was there on a nearly daily basis from September 2nd until September 23, 2016. I attach the following to help you understand the chronology and the efforts to determine the cause of the loss of efficiency at Ocean Cold:

- Narrative done by Al Carter that details the events, the leak testing and the efforts to determine a cause. Covers dates from May 22, 2016 (Ocean Gold R22 added to Ocean Cold) through to October 10, 2016.
- APEX work Daily Field Reports from September 2, 2016 through September 23, 2016;
- Copies of the hand written maintenance log for the period of August 23, through September 6, 2016 (as requested, the full three months will be provided with detailed report)

Investigation and Repairs:

Immediately upon determining that something was damaging the gaskets and seals in the Ocean Cold system there were efforts to try to determine the source of any contaminant. In early September, Al Carter spoke to (b) (4) of (b) (4) to try to find out if the contaminants could have come from the Ocean Gold R22 recovered and cleaned by (b) (4) . (b) (4) said that there was no way that the R22 he recovered was contaminated, (b) (4) said that the recovered and cleaned Freon from Ocean Gold was “(b) (4) ”. (b) (4) suggested that a sample of the Freon in Ocean Cold be taken and sent for lab testing. The Freon was drawn, sent for analysis and the report that came back indicated that the Freon was contaminated. The laboratory report was attached to the email sent to Danica on October 7, 2016, I attach another copy to this email.

As soon as it became apparent that something was destroying the seals and gaskets Ocean Cold started removing and replacing all the seals and gaskets in the plant. Some required special orders, however, all the seals and gaskets have now been inspected and replaced. In addition, Ocean Cold, started changing and replacing acid filters built into the system more frequently and added numerous additional acid filters to the system.

Since that lab report Ocean Cold has been tracking down the source of the contaminant by checking the tanks that were used to transport the Ocean Gold Freon and sampling those tanks with residue. Ocean Cold has also contacted Delarvas USA for a purity certification for the Freon sold to Ocean Cold, there was no residue in the empty Delarvas tanks. The samples from the Ocean Gold transport tanks have been sent for lab analysis, however, no results as of today.

Current Status:

Ocean Cold is now operating Freezer B and one spiral freezer unit, and the refrigeration system is functioning properly. Ocean Cold is not operating Freezer A and is not operating the two other spiral freezer units, however, this is because Ocean Cold is winding down the high volume part of its season. There is no intention to bring Freezer A or the two spiral lines back on line until after the Ocean Cold plant is fully converted to R507.

Planned conversion to R507:

Ocean Cold has determined that it will convert to R507 beginning about the 1st of March 2017. When this conversion is complete, then only the Ice House will continue to use Freon, both Ocean Gold and Ocean Cold will be using only R507.

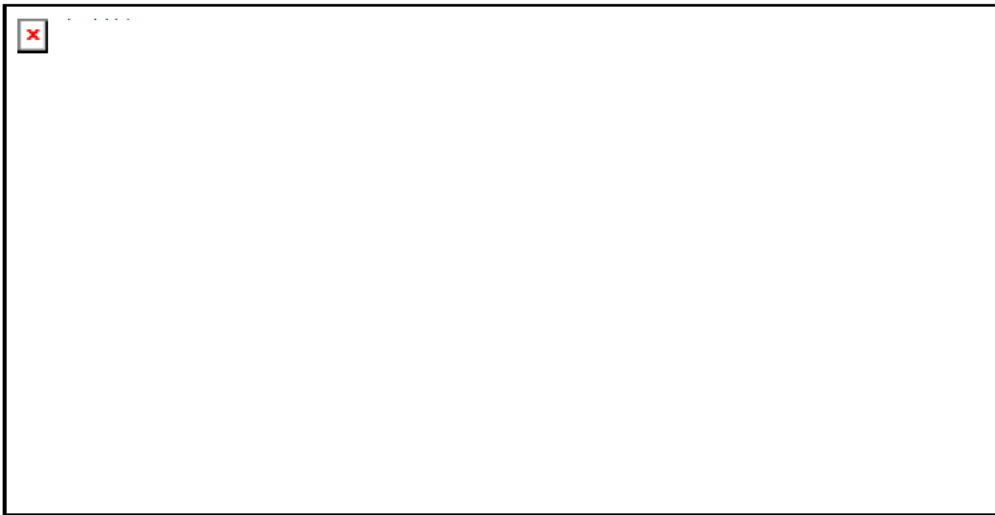
Ocean Cold has worked hard to stop any leaks, to determine the cause of the deterioration of seals and gaskets and is now going to find out where the acid came from. (b) (4)

or from the Freon sold by the supplier Delarvas.

Ocean Cold will continue to get to the bottom of this problem as quickly as possible. It has committed significant funds, personnel time and outside consultants to figuring this out. We hope to have more definitive reports and conclusions by next Monday when a more detailed report is due.

In the interim, I am also attaching the Third Party Verifier report prepared after his visit to the plants on October 19, 2016.

Art Blauvelt



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From: Art Blauvelt

Sent: Friday, October 07, 2016 3:36 PM

To: 'Glaser, Danica (ENRD)'; Kevin Schanilec; Broderick, John (ENRD)

Cc: Albert Carter; Mark Rydman; Dugan, Brett

Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Danica:

We are going to need additional time to submit a report that is able to explain what happened and what impact the event had on the quantity of Freon in Ocean Cold. We just received the three laboratory reports on the contents of

samples taken from the refrigeration system. I attach those three reports. We have asked for additional information from APEX and the lab so we can put the numbers in context.

It does appear that acid in the Freon caused seals and gaskets to deteriorate rapidly resulting in poor performance by the system and some leakage. Most of the seals and gaskets at Ocean Cold have been replaced, evaporators and pumps have been inspected and repairs made. The system is now running properly, however, Ocean Cold is not running all of its freezer capacity because there remain some valves, seals and gaskets that need replacement in one freezer.

We have asked for a narrative from APEX on what they found, what they repaired, their recommendations for the future and an opinion on why this happened. Since the lab reports just received a few days ago, we have not received that opinion report yet. We have been provided daily field reports, however, they don't explain the why.

Ocean Cold is proceeding as rapidly as it can in trying to diagnose this, we would appreciate some additional time in order to provide the formal report.

Art Blauvelt

From: Glaser, Danica (ENRD) [<mailto:Danica.Glaser@usdoj.gov>]
Sent: Wednesday, October 05, 2016 9:19 AM
To: Art Blauvelt; Kevin Schanilec; Broderick, John (ENRD)
Cc: Albert Carter; Mark Rydman; Dugan, Brett
Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Art,

Thanks for this additional information. We'll look for the full report that the CD requires to be formally submitted by Friday, with the understanding that some supplementation may be necessary (though the report should indicate what information will need to be supplemented). And we'll be in touch in the next few weeks after we have a chance to discuss on this end.

Regards,
Danica

From: Art Blauvelt [<mailto:blauvelt@izglaw.com>]
Sent: Friday, September 30, 2016 6:13 PM
To: Glaser, Danica (ENRD) <DGlaser@ENRD.USDOJ.GOV>; Kevin Schanilec <Schanilec.Kevin@epamail.epa.gov>; Broderick, John (ENRD) <JBroderick@ENRD.USDOJ.GOV>
Cc: Albert Carter <acarter@oceancos.com>; Mark Rydman <mrydman@ocean.onmicrosoft.com>
Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Danica:

I have copied below a copy of an email I received from Al Carter relating to the email I sent you on September 9, 2016. Until the results of the tests come back we will not know what caused the efficiency of the refrigeration system at Ocean Cold to slow down in early September. They experienced a gradual reduction in efficiency and called in APEX technicians to investigate. It appears that acid was in the system and affected seals and gaskets. No one knows how much R22 may have escaped nor if a loss of R22 caused the refrigeration system to become inefficient. As Al's report indicates, with replacement of seals and gaskets the system is working more efficiently.

I will supplement this as soon as I have information from the APEX consultants and after the system returns to full operations and we can begin to measure the R22.

Art

From: Albert Carter [<mailto:acarter@oceancos.com>]
Sent: Friday, September 30, 2016 1:12 PM
To: Art Blauvelt
Cc: Mark Rydman
Subject: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

We have experienced some kind of a loss of Freon and/or efficiency within the system. We are also experiencing acid within the system and it is eating the seals and gaskets.

We have closed Freezer B completely down and pulled all of the Freon out of that section. We are systemically checking and then changing every seal, gasket and the packing on every valve with the system for Freezer B.

APEX was here working right along with us in checking, leak checking and repairing equipment. APEX has been here since 9/2 . I spoke to the office yesterday about the APEX report. They are waiting on the GEA Refrigeration analysis report on the sample from the system.

We have installed new filters to reduce the acid content in the refrigerant.

I just returned from talking to the technicians at Ocean Cold. The system is now running much better. We are fully running Freezer A and one spiral freezer and we have 20% in the LPR.
Without pulling out all of the refrigerant and weighing it we will not know how much we have. It seems that we may have lost some, but a lot is returning and we are getting back into operation.

We are still only speculating on what happened. We need the analysis and the APEX report to determine where the acid came from and what the effects are on the system.

Best,
Al Carter
360-581-3220

From: Glaser, Danica (ENRD) [<mailto:Danica.Glaser@usdoj.gov>]
Sent: Friday, September 30, 2016 7:01 AM
To: Art Blauvelt; Kevin Schanilec; Broderick, John (ENRD)
Cc: Albert Carter; Mark Rydman
Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Art,

I am a bit concerned we have not heard any further information about this incident since your 9/9 email. The deadline for a fully supplemented report is next week (Friday 10/7), but an outline of the incident and the resulting loss would help us prepare in advance to address the details in the report.

I'll look forward to an email or call in the next few days.

Thank you,
Danica

From: Glaser, Danica (ENRD)
Sent: Monday, September 19, 2016 10:19 AM
To: Art Blauvelt <blauvelt@izglaw.com>; Kevin Schanilec <Schanilec.Kevin@epamail.epa.gov>; Broderick, John (ENRD) <JBroderick@ENRD.USDOJ.GOV>
Cc: Albert Carter <acarter@oceancos.com>; Mark Rydman <mrydman@ocean.onmicrosoft.com>
Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Art, do you have any additional information on this incident at this time?

Thanks,
Danica

From: Glaser, Danica (ENRD)
Sent: Friday, September 09, 2016 6:47 PM
To: Art Blauvelt <blauvelt@izglaw.com>; Kevin Schanilec <Schanilec.Kevin@epamail.epa.gov>; Broderick, John (ENRD) <JBroderick@ENRD.USDOJ.GOV>
Cc: Albert Carter <acarter@oceancos.com>; Mark Rydman <mrydman@ocean.onmicrosoft.com>
Subject: RE: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Art, thank you for the notice. We will look forward to receiving additional details as soon as they are available as well as a subsequent report.

Regards,
Danica

From: Art Blauvelt [<mailto:blauvelt@izglaw.com>]
Sent: Friday, September 9, 2016 6:35 PM
To: Glaser, Danica (ENRD) <DGlaser@ENRD.USDOJ.GOV>; Kevin Schanilec <Schanilec.Kevin@epamail.epa.gov>; ENRD, EESCaseManagement (ENRD) <EENRD1b4f2@ENRD.USDOJ.GOV>; Broderick, John (ENRD) <JBroderick@ENRD.USDOJ.GOV>
Cc: Albert Carter <acarter@oceancos.com>; Mark Rydman <mrydman@ocean.onmicrosoft.com>
Subject: Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC

Danica, Kevin and case management:

Pursuant to Section 32 of the Consent Decree in Civil Action 3:16-cv-5179 re: Ocean Cold, LLC I am advising you that the defendant Ocean Cold, LLC has had a loss of R22 of unknown origin and unknown amount that may result in a violation of a requirement of the Consent Decree. At this time the amount of R22 lost is not known, the cause is not known and whether the amount lost will exceed any limits under the Consent Decree is not known. Ocean Cold became aware September 7, 2016 that the loss may result in a violation. Ocean Cold has the company that constructed and maintained the refrigeration system, together with its own technicians, on site at the facility investigating the possible loss and its source. When an explanation and the probable amount is known then Ocean Cold will supplement this notice. Ocean Cold will also provide a report pursuant to Section 32 within 30 days.

It is not known what may have caused this loss, therefore, we unable to know if the loss was caused by an event under Section 58.

Art Blauvelt
Counsel for Ocean Cold

Arthur A. Blauvelt III
Ingram, Zelasko & Goodwin, LLP
120 East First St.
Aberdeen, WA 98520
360.533.2865
360.538.1511 (fax)

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Your test scores are shown below:

CORE	21	TYPE I	23
TYPE II	22	TYPE III	22



Certificate of Completion
Refrigerant Transition And Recovery
Certification Program

GAEHLER, MICHAEL T

has been certified as

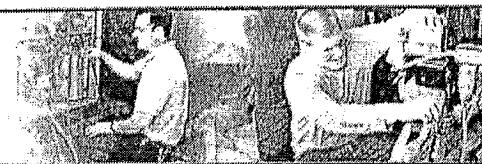
TYPE I TYPE II TYPE III

technician, as required by 40 CFR part 82, subpart F.

612096000	8/10/1999	UNIVERSAL
Certification Number	Testing Date	Certification Levels Achieved



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THOMPSON**Exam Results:***Tyler Bradstock*

Core Section: 20 ✓

Type I Section: 22 ✓

Type II Section: 24 ✓

Type III Section: 23 ✓

Current Certification Level:

Universal

Certification Number:

P5FC4007F8B10B0C1**Additional Mainstream Open Book Certifications**

Certification	Status
EPA Section 608 Type I	Certified
EPA Section 609 MVAC	Not Certified
R-410A	Not Certified - Free certification - Visit www.epatest.com to get certified.
PM Tech	Not Certified - Free certification - Visit www.epatest.com to get certified.
Indoor Air Quality	Not Certified

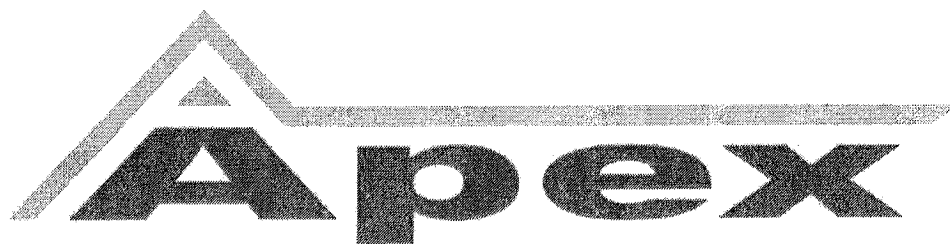
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REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Monday, September 26, 2016 7:14:57 AM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/26/2016 7:14:57 AM
Form Submitted	9/26/2016 7:17:00 AM
Date	Friday, September 23, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT
Job Description	LEAK CHECK NORTH FREEZER
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	16 ✓
Work Summary	BROKE NORTH FREEZER WITH NITROGEN AGAIN AND PUT BACK IN VACUUM. TRAVELED HOME.
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Monday, September 26, 2016 7:05:06 AM (MICHAEL GAEHLER)

User Name MICHAEL GAEHLER
User # 6023905579
Form Started 9/26/2016 7:05:06 AM
Form Submitted 9/26/2016 7:14:53 AM
Date Thursday, September 22, 2016
Job # CA754
Customer OCEAN COLD
Job Location WESTPORT
Job Description PRESSURE TEST NORTH FREEZER

Rentals & Subcontracts

Materials & Equipment

Apex Labor

1 Mech

Hours

Work Summary

MIKE GAEHLER

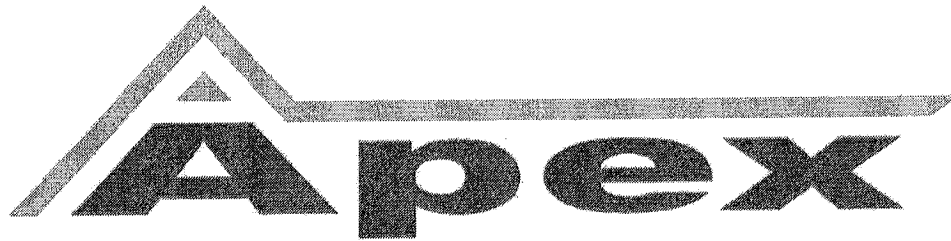
8.9 ✓

CHECKED PRESSURE ON NORTH FREEZER PRESSURE HELD.
BLED OFF PRESSURE AND PULLED INTO VACUUM AND BROKE
WITH NITROGEN. INSTRUCTED CUSTOMER TO DO IT ONE
MORE TIME AT NIGHT.

Subcontractor Labor

Apex Signature

[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Friday, September 16, 2016 10:13:07 AM (MICHAEL GAEHLER)

User Name MICHAEL GAEHLER
User # 6023905579
Form Started 9/16/2016 10:13:07 AM
Form Submitted 9/16/2016 10:17:48 AM
Date Thursday, September 15, 2016
Job # CA754
Customer OCEAN COLD
Job Location WESTPORT
Job Description LEAK CHECK SYSTEM AND SHUTDOWN OF NORTH FREEZER

Rentals & Subcontracts

Materials & Equipment

Apex Labor

1 Mech

Hours

Work Summary

MIKE GAEHLER

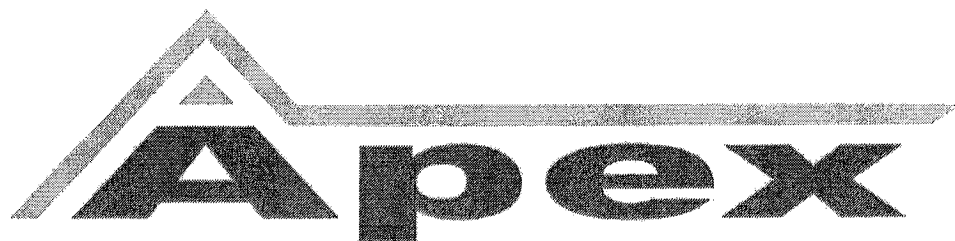
9

TOOK SAMPLE OF OIL IN SYSTEM AND FOUND ACID IN OIL. CLEANED COND. 1 MIST ELIMINATORS AND CHECKED SPRAYS. FOUND HEADER PLUGGED WITH MUD IN LAST 3 FEET OF PIPE. CHECKED OUT TEMP REPORTS GIVEN TO ME BY MARK TO TRY TO FIGURE OUT WHAT CAUSED PROBLEMS. PROBLEMS STARTED ONE MONTH AFTER INTRODUCING REFRIGERANT REMOVED FROM OCEAN GOLD FACILITY.

Subcontractor Labor

Apex Signature

[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 15, 2016 7:11:17 AM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/15/2016 7:11:17 AM
Form Submitted	9/15/2016 7:16:56 AM
Date	Wednesday, September 14, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM AND SHUTDOWN OF NORTH FREEZER
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	13.5 ✓
Work Summary	REPLACED TUBING ON COMP H1 WITH NEW SS TUBING. PULLED MACHINE INTO A VACUUM DID NOT HOLD. PRESSURIZED WITH NITROGEN FOUND LEAK ON OIL RETURN METERING BLOCK NEED NEW METERING VALVE FOR IT. REMOVED LIQUID SOL. VALVE GROUP FROM EV10 AND REBUILT VALVE AND STRAINER THEN RE-INSTALLED. EV10 BACK ONLINE. HAD PROBLEMS WITH DISCHARGE PRESSURE HAD TO SHUTDOWN SYSTEM AND PURGE AIR. SYSTEM BACK ON LINE PRESSURES STABLE.

Subcontractor Labor

Apex Signature

[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Wednesday, September 14, 2016 6:06:21 AM (MICHAEL GAEHLER)

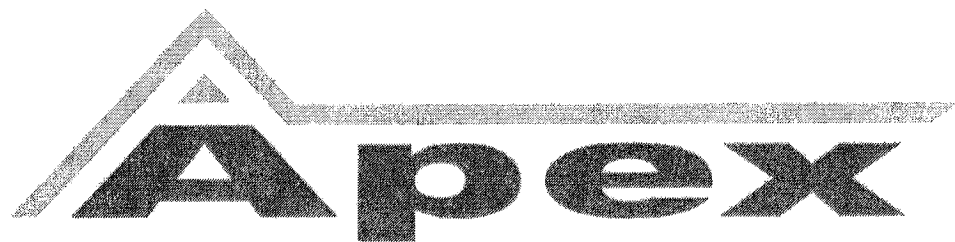
User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/14/2016 6:06:21 AM
Form Submitted	9/14/2016 6:08:36 AM
Date	Tuesday, September 13, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT
Job Description	LEAK CHECK SYSTEM AND SHUTDOWN OF NORTH FREEZER
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	5.5 ✓
Work Summary	CHECKED OUT SYSTEM AND HELPED CUSTOMER CHARGE GLYCOL SYSTEM.
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Tuesday, September 13, 2016 5:54:52 AM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/13/2016 5:54:52 AM
Form Submitted	9/13/2016 5:59:16 AM
Date	Monday, September 12, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM AND SHUTDOWN OF NORTH FREEZER
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	10 ✓
Work Summary	FOUND COMP H1 DISCHARGE CHECK VALVE LEAKING BYE IN TO SEPARATOR ISOLATED AND PUMPED COMP. DOWN. DISCHARGE PRESSURE GOT HIGH SHUTDOWN PLANT FOR AWHILE AND BLED AIR. STARTED SYSTEM BACK UP PRESSURE STABLE NOW.
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Monday, September 12, 2016 6:27:09 AM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/12/2016 6:27:09 AM
Form Submitted	9/12/2016 6:29:30 AM
Date	Sunday, September 11, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	SYSTEM LEAK CHECK AND SHUTDOWN OF NORTH FREEZER
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	6.5 ✓
Work Summary	PUMPED DOWN NUMBER 2 PUMP AND PULLED OUT. FOUND MAJOR DAMAGE INSIDE PUMP AND OIL IN ELECTRICAL BOX. NEED A NEW PUMP INFORMED CUSTOMER.
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Monday, September 12, 2016 6:21:59 AM (MICHAEL GAEHLER)

User Name MICHAEL GAEHLER
User # 6023905579
Form Started 9/12/2016 6:21:59 AM
Form Submitted 9/12/2016 6:27:06 AM
Date Saturday, September 10, 2016
Job # CA754
Customer OCEAN COLD
Job Location WESTPORT WA
Job Description SYSTEM LEAK CHECK AND SHUTDOWN OF NORTH FREEZER.

Rentals & Subcontracts

Materials & Equipment

Apex Labor

1 Mech

MIKE GAEHLER

Hours

9 ✓

Work Summary

PUT NUMBER ONE PUMP ONLINE AFTER REBUILD. PULLED NUMBER 3 PUMP AND REBUILT IT NO MAJOR SIGNS OF DAMAGE. FOUND THE NUMBER ONE WAS DONE BACKWARDS. RE-INSTALLED NUMBER 3 PUMP AND PUT ONLINE. CUSTOMER IS GOING TO PULL AND FIX NUMBER ONE PUMP.

Subcontractor Labor

Apex Signature

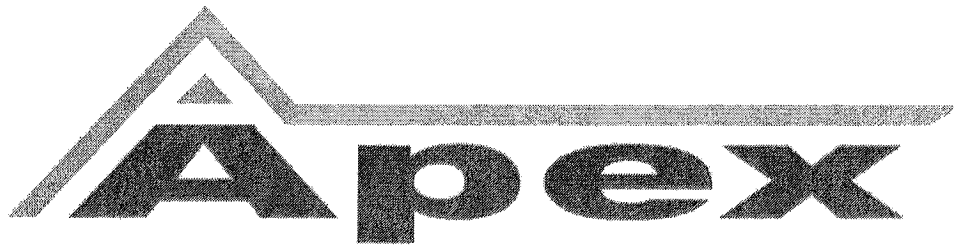
[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Monday, September 12, 2016 6:19:29 AM (MICHAEL GAEHLER)

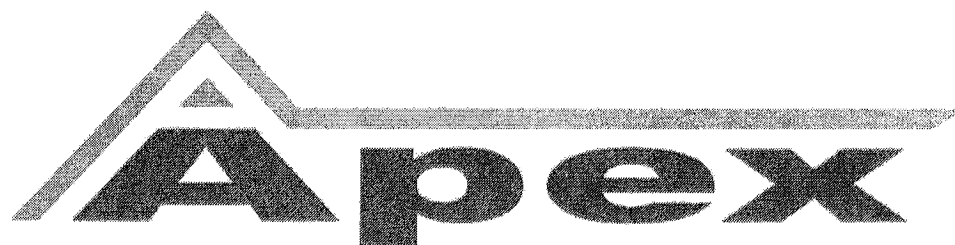
User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/12/2016 6:19:29 AM
Form Submitted	9/12/2016 6:21:53 AM
Date	Friday, September 09, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	SYSTEM LEAK CHECK AND SHUTDOWN OF NORTH SIDE
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
.1 Mech	MIKE GAEHLER
Hours	8
Work Summary	TRAVELED TO JOB SITE
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 08, 2016 7:49:22 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:49:22 PM
Form Submitted	9/8/2016 7:53:27 PM
Date	Thursday, September 08, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	3
Work Summary	HAD P&ID'S MADE FOR PLANT. GATHERED PARTS NEEDED TO MAKE REPAIRS ON COMP. H1 AND SHIPPED THEM. HAD PUMP MANUEL SCANNED AND EMAILED IT TO DAVE MCCLUNG.
Subcontractor Labor	
Apex Signature	[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 08, 2016 7:46:22 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:46:22 PM
Form Submitted	9/8/2016 7:49:18 PM
Date	Wednesday, September 07, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM

Rentals & Subcontracts

Materials & Equipment

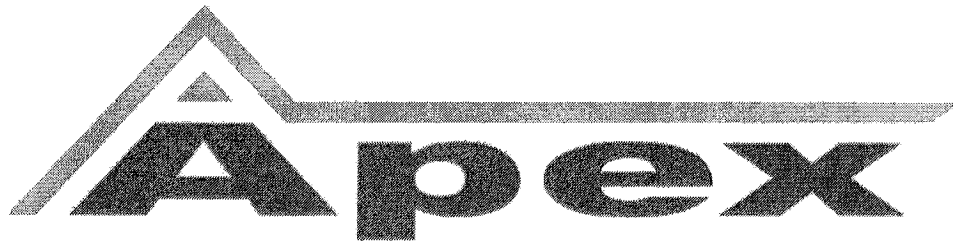
Apex Labor

1 Mech	MIKE GAEHLER
Hours	5 ✓
Work Summary	TRAVEL HOME
2 Mech	TYLER BRADSTOCK
Hours	5 ✓
Work Summary	TRAVEL HOME

Subcontractor Labor

Apex Signature

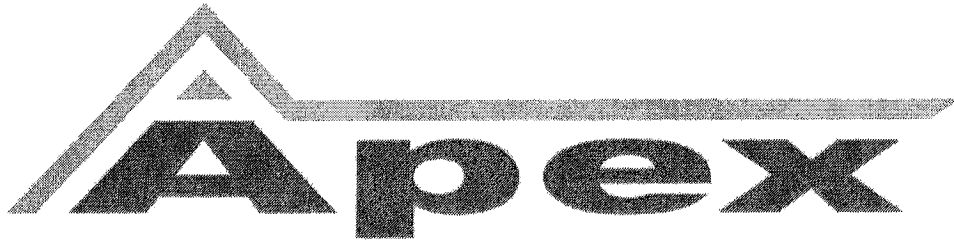
[Signature]



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 08, 2016 7:38:24 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:38:24 PM
Form Submitted	9/8/2016 7:45:59 PM
Date	Tuesday, September 06, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	15 ✓
Work Summary	LEAK CHECKED SOUTH FREEZER COILS FOUND LEAKS ON EV10&EV9. CUSTOMER REPAIRED EV9. UNABLE TO GET EV10 ISOLATED MAIN VALVE NOT HOLDING NEED TO REPLACE BONNET. DROVE TO PORTLAND FOR FLIGHT HOME.
2 Mech	TYLER BRADSTOCK
Hours	15 ✓
Work Summary	SEE MIKE'S SUMMARY
Subcontractor Labor	
Apex Signature	[Signature]



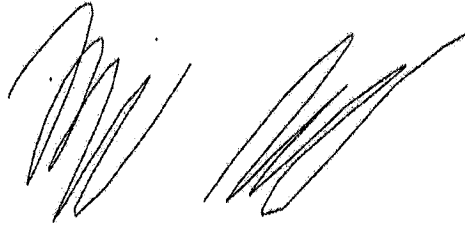
REFRIGERATION SERVICES, INC.

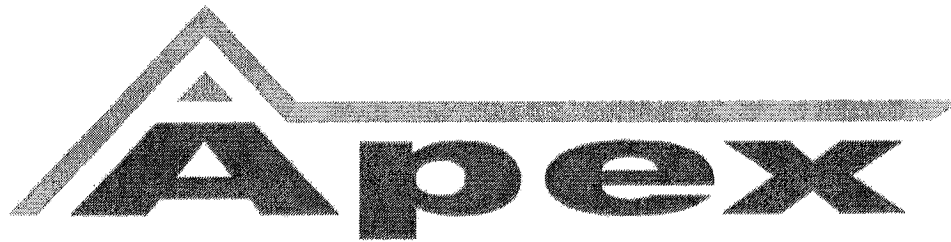
DAILY FIELD REPORT - Thursday, September 08, 2016 7:28:02 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:28:02 PM
Form Submitted	9/8/2016 7:38:19 PM
Date	Sunday, September 04, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM
Rentals & Subcontracts	
Materials & Equipment	
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	21
Work Summary	CHECKED THE REST OF NORTH FREEZER FOUND LIQUID VALVES ON EV1,2,&4 ALL LEAKING. FOUND REPLACEMENT PISTONS AT PERMACOLD IN PORTLAND CUSTOMER SENT SOMEONE TO PICK THEM UP. REBUILT AND REINSTALLED LIQUID FEED VALVE GROUPS ON EV1-4 ALL NEW GASKETS AND O RINGS ON ALL.
2 Mech	TYLER BRADSTOCK
Hours	21
Work Summary	SEE MIKE'S SUMMARY
Subcontractor Labor	

Apex Signature

[Signature]

Two handwritten signatures in black ink. The signature on the left is more stylized and compact, while the one on the right is more elongated and fluid.



REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 08, 2016 7:22:06 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:22:06 PM
Form Submitted	9/8/2016 7:27:55 PM
Date	Saturday, September 03, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM
Rentals & Subcontracts	
Materials & Equipment	
1 Vendor	TRUCK STOCK
P.O.#	NA
Description	LOW TEMP SOAP BUBBLES
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	11
Work Summary	CHECKED THE REST OF COMP. IN ENGINE ROOM AND MOVED TO CHECKING OUT NORTH FREEZER. CHECKED OUT EV5 AND EV3. FOUND NOTHING WRONG ON EV5 FOUND MULTIPLE LEAKS ON EV3 LIQUID FEED VALVE GROUP REMOVED FOR REPAIRS. FOUND PISTON SEAL ON LIQUID SOL. VALVE HAVE NO REPLACEMENT PARTS.
2 Mech	TYLER BRADSTOCK
Hours	11
Work Summary	SEE MIKE'S SUMMARY
Subcontractor Labor	

Apex Signature

[Signature]

Two handwritten signatures are present. The first signature on the left is a stylized, cursive script. The second signature on the right is more angular and appears to be a different person's signature.



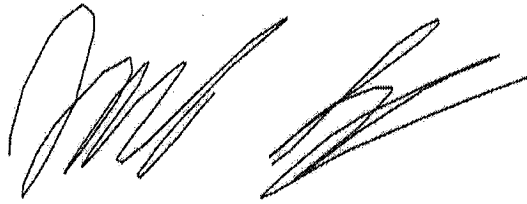
REFRIGERATION SERVICES, INC.

DAILY FIELD REPORT - Thursday, September 08, 2016 7:08:50 PM (MICHAEL GAEHLER)

User Name	MICHAEL GAEHLER
User #	6023905579
Form Started	9/8/2016 7:08:50 PM
Form Submitted	9/8/2016 7:22:00 PM
Date	Friday, September 02, 2016
Job #	CA754
Customer	OCEAN COLD
Job Location	WESTPORT WA
Job Description	LEAK CHECK SYSTEM
Rentals & Subcontracts	
Materials & Equipment	
1 Vendor	TRUCK STOCK
P.O.#	NA
Description	SOAP BUBBLES
Apex Labor	
1 Mech	MIKE GAEHLER
Hours	16
Work Summary	DROVE TO JOB SITE FROM SHOP ARRIVED AT 1 PM. CHECKED OUT SITUATION AND LEAK CHECKED CONDENSER VALVES WITH SOAP BUBBLES AND LEAK DETECTOR. STARTED CHECKING COMP. IN ENGINE ROOM.
2 Mech	TYLER BRADSTOCK
Hours	16
Work Summary	SEE MIKE'S SUMMARY
Subcontractor Labor	

Apex Signature

[Signature]

A handwritten signature in black ink, consisting of a stylized first name followed by a last name, enclosed within a rectangular border.